Pushing the Envelope			
2006 Mathematics			
Academic Standards			
Nevada Mathematics			
Grade 5			
Activity/Lesson	**State**	**Standards**	
Chemistry (pgs. 25-41)	NV	MA.5.3.5.1.1	Estimate and convert units of measure for weight and volume/capacity within the same measurement system (customary and metric).
Chemistry (pgs. 25-41)	NV	MA.5.3.5.2.1	Measure volume and weight to a required degree of accuracy in the customary and metric systems.
Pushing the Envelope			
2006 Mathematics			
Academic Standards			
Nevada Mathematics			
Grade 6			
Activity/Lesson	**State**	**Standards**	
History of Aviation Propulsion (pgs. 5-9)	NV	MA.6.3.6.6.1	Use equivalent periods of time to solve practical problems.
Types of Engines (pgs. 11-23)	NV	MA.6.2.6.2.1	Evaluate formulas and algebraic expressions using whole number values.
Types of Engines (pgs. 11-23)	NV	MA.6.3.6.3.1	Select, model, and apply formulas to find the perimeter, circumference, and area of plane figures.
Chemistry (pgs. 25-41)	NV	MA.6.2.6.2.1	Evaluate formulas and algebraic expressions using whole number values.
Chemistry (pgs. 25-41)	NV	MA.6.3.6.3.1	Select, model, and apply formulas to find the perimeter, circumference, and area of plane figures.
Physics and Math (pgs. 43-63)	NV	MA.6.2.6.2.1	Evaluate formulas and algebraic expressions using whole number values.
Physics and Math (pgs. 43-63)	NV	MA.6.2.6.3.1	Write simple expressions and equations using variables to represent mathematical situations.
Physics and Math (pgs. 43-63)	NV	MA.6.3.6.3.1	Select, model, and apply formulas to find the perimeter, circumference, and area of plane figures.
Physics and Math (pgs. 43-63)	NV	MA.6.3.6.5.1	Write and apply ratios in mathematical and practical problems involving measurement and monetary conversions.
Rocket Activity (pgs. 69-75)	NV	MA.6.2.6.2.1	Evaluate formulas and algebraic expressions using whole number values.
Rocket Activity (pgs. 69-75)	NV	MA.6.3.6.3.1	Select, model, and apply formulas to find the perimeter, circumference, and area of plane figures.
Pushing the Envelope			
2006 Mathematics			
Academic Standards			
Nevada Mathematics			
Grade 7			

Activity/Lesson	State	Standards	
History of Aviation Propulsion (pgs. 5-9)	NV	MA.7.3.7.6.1	Use elapsed time to solve practical problems.
Types of Engines (pgs. 11-23)	NV	MA.7.2.7.2.1	Evaluate formulas and algebraic expressions for given integer values.
Types of Engines (pgs. 11-23)	NV	MA.7.3.7.3.1	Select, model, and apply formulas to find the volume and surface area of solid figures.
Chemistry (pgs. 25-41)	NV	MA.7.2.7.2.1	Evaluate formulas and algebraic expressions for given integer values.
Chemistry (pgs. 25-41)	NV	MA.7.3.7.3.1	Select, model, and apply formulas to find the volume and surface area of solid figures.
Physics and Math (pgs. 43-63)	NV	MA.7.2.7.2.1	Evaluate formulas and algebraic expressions for given integer values.
Physics and Math (pgs. 43-63)	NV	MA.7.3.7.3.1	Select, model, and apply formulas to find the volume and surface area of solid figures.
Rocket Activity (pgs. 69-75)	NV	MA.7.2.7.2.1	Evaluate formulas and algebraic expressions for given integer values.
Rocket Activity (pgs. 69-75)	NV	MA.7.3.7.3.1	Select, model, and apply formulas to find the volume and surface area of solid figures.
Pushing the Envelope			
2006 Mathematics			
Academic Standards			
Nevada Mathematics			
Grade 8			
Activity/Lesson	**State**	**Standards**	
Types of Engines (pgs. 11-23)	NV	MA.8.2.8.2.1	Evaluate formulas and algebraic expressions using rational numbers (with and without technology).
Chemistry (pgs. 25-41)	NV	MA.8.2.8.2.1	Evaluate formulas and algebraic expressions using rational numbers (with and without technology).
Chemistry (pgs. 25-41)	NV	MA.8.3.8.3.1	Identify how changes in a dimension of a figure effect changes in its perimeter, area and volume.
Physics and Math (pgs. 43-63)	NV	MA.8.2.8.2.1	Evaluate formulas and algebraic expressions using rational numbers (with and without technology).
Physics and Math (pgs. 43-63)	NV	MA.8.2.8.6.1	Describe how changes in the value of one variable affect the values of the remaining variables in a relation.
Physics and Math (pgs. 43-63)	NV	MA.8.3.8.5.1	Apply ratios and proportions to calculate rates and solve mathematical and practical problems using indirect measure.
Rocket Activity (pgs. 69-75)	NV	MA.8.2.8.2.1	Evaluate formulas and algebraic expressions using rational numbers (with and without technology).
Pushing the Envelope			
2006 Mathematics			
Academic Standards			
Nevada Mathematics			
Grades 9-12			

Activity/Lesson	State	Standards	
Types of Engines (pgs. 11-23)	NV	MA.9-12.2.12.2.1	Isolate any variable in given equations, inequalities, proportions, and formulas to use in mathematical and practical situations.
Types of Engines (pgs. 11-23)	NV	MA.9-12.3.12.3.1	Select and use appropriate measurement tools, techniques, and formulas to solve problems in mathematical and practical situations.
Chemistry (pgs. 25-41)	NV	MA.9-12.2.12.2.1	Isolate any variable in given equations, inequalities, proportions, and formulas to use in mathematical and practical situations.
Chemistry (pgs. 25-41)	NV	MA.9-12.3.12.3.1	Select and use appropriate measurement tools, techniques, and formulas to solve problems in mathematical and practical situations.
Physics and Math (pgs. 43-63)	NV	MA.9-12.2.12.2.1	Isolate any variable in given equations, inequalities, proportions, and formulas to use in mathematical and practical situations.
Physics and Math (pgs. 43-63)	NV	MA.9-12.3.12.3.1	Select and use appropriate measurement tools, techniques, and formulas to solve problems in mathematical and practical situations.
Physics and Math (pgs. 43-63)	NV	MA.9-12.3.12.5.1	Determine the measure of unknown dimensions, angles, areas, and volumes using relationships and formulas to solve problems.
Rocket Activity (pgs. 69-75)	NV	MA.9-12.2.12.2.1	Isolate any variable in given equations, inequalities, proportions, and formulas to use in mathematical and practical situations.
Rocket Activity (pgs. 69-75)	NV	MA.9-12.3.12.3.1	Select and use appropriate measurement tools, techniques, and formulas to solve problems in mathematical and practical situations.